

What is claimed is:

1. An apparatus for analyzing brain functions, comprising: biosignal detection means for detecting a biosignal of an examinee in parallel with examination of the brain of the examinee conducted by an MRI system; and a functioning part location calculating means for finding out a part of the brain functioning in a state where a predetermined event is occurring in the biosignal by calculation based on a correlation between time-series data of the biosignal and a change in a strength of a MRI signal outputted from the MRI system.

2. The apparatus in accordance with claim 1, wherein the predetermined event is an event based on which a waking level of the examinee is identified.

3. The apparatus in accordance with claim 1, wherein the biosignal detection means is configured to detect an electroencephalogram of the examinee as the biosignal.

4. The apparatus in accordance with claims 1, wherein the detection of the biosignal of the examinee by the biosignal detection means and the examination of the brain of the examinee by the MRI system are performed alternately.

5. A method of analyzing brain functions, comprising

the steps of: detecting a biosignal of an examinee in parallel with examination of the brain of the examinee conducted by an MRI system; and finding out a part of the brain functioning in a state where a predetermined event is occurring in the biosignal by calculation based on a correlation between time-series data of the biosignal and a change in a strength of a MRI signal outputted from the MRI system.